Abstracts

Optoelectronic Devices for Unbiased Microwave Switching

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Microwave switches needing no electrical bias are desirable in some environments. We present results from two devices: a surface-depleted, gateless, optical FET; and a FET controlled by an integrated photovoltaic diode. Insertion losses of 3 dB and isolations of 20 dB are obtained up to 5.6 GHz with an optical power of 1 mW.

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